



Division of Surface Water
NPDES Small MS4 General Permit
(OHQ000003) Annual Reporting Form

Instructions for completing this form

- OHQ000003 requires that this form be used when submitting annual reports. You may request approval to use your own reporting format.
- Annual Reports are due annually on or before April 1st.
- Complete the form and sign and date the certification statement below
- If more space is needed than is provided, identify within the provided space that Attachment A, B, C, etc. has been attached.
- If an item of the form is not applicable for your program (such as street sweeping), fill in N/A in the space provided.
- Do not include attachments such as brochures, newspaper clips, sign-in sheets, etc. related to your program with this form.
 You only need to summarize these within this report. These records must be filed and will be needed during program audits.
- When complete, submit this Annual Report form to the following address:
 Ohio Environmental Protection Agency
 Division of Surface Water
 Storm Water Program-Small MS4
 P.O. Box 1049
 Columbus, Ohio 43216-1049

General Information

Small MS4 Annual Report for Year: 2016		Ohio EPA Facility Permit Number: 1GQ10002*CG	
Name of MS4: Clermont County & Others			
Mailing Address: 101 E MAIN ST			
City: BATAVIA		State: OH	Zip Code: 45103
Country: USA		County: Clermont	
Primary Contact: JOHN MCMANUS		Title: Administrator	
Email Address: jmcmanus@clermontcountyohio.gov		Phone: (513) 732-7075	Fax:

Include or attach a Table of Organization. Indicate who (name and contact information) is responsible for overall management and implementation of your program, and if different, each minimum control measure of your program. Identify how development and implementation across multiple positions, agencies and departments occur. Also, identify any Memorandum of Understandings (MOUs) or other such agreements that exist.

Upload File Name for Table of Organization: OrgChart.docx

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including possibility of fine and imprisonment for knowing violations.

Applicant Name (printed or typed):	Title:
Signature:	Date:

PUBLIC EDUCATION AND OUTREACH

Estimate Your Permit Area of Total Population: 144560

BMP (mechanism)	Responsible Party	Measurable Goal	Theme or Message	Target Audience	% Target Audience	Effective
Nutrient Runoff / Harmful Algal Blooms	Clermont SWCD	1 presentation to environmental class at UC Clermont College; 1 news article	Lake ecology, nutrient runoff and harmful algal blooms	College students	100	Yes

Summary of Results: The SWCD Administrator gave a presentation to an environmental science class at UC Clermont College on October 17. The presentation covered lake dynamics, the impacts of nutrient runoff including harmful algal blooms, and steps that can be taken to reduce nutrient runoff.

The Clermont Sun published an article titled "County Funds Gauge to Monitor HABs" on June 2 (3000 people receive Thursday edition, 16,870 receive Sunday Sun).

Comments:

General Storm Water Education - Social Media	Clermont SWCD, Regional Storm Water Collaborative	Minimum of 4 postings per year	Various Messages / Multiple Themes	Those who live or work in Clermont County	100	Yes
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Summary of Results: Clermont SWCD had 40 Facebook posts and 43 Twitter tweets related to storm water management; topics included news on volunteer litter cleanups, rain garden and basin management workshops, harmful algal blooms, water quality trading, Shank Park detention basin retrofit, 4R nutrient management and more. Facebook posts had a total reach of 28,441 and 2,646 engaged users. Twitter had 48 likes, 21 re-tweets, total engagement of 355 and 16,854 impressions. Facebook page likes increased by 90 to a total of 372. The Twitter account has 362 followers.

The Regional Storm Water Collaborative's Facebook page (SaveLocalWaters) has 1,302 likes, 79,508 users and 153,596 impressions. The SaveLocalWaters Twitter account had 289 followers, 526 tweets and 2,597 impressions.

Comments:

Rain Garden / Rain Barrel Education Program	Clermont SWCD, Regional Storm Water Collaborative	Conduct 1 public workshop; 1 rain garden tour; maintain 6 public demonstration gardens; sell 25 rain barrels; 1 rain barrel art event, 1 rain barrel video, 1 utility bill message; maintain rain garden web site	Rain garden and rain barrel education	Clermont County property owners	100	Yes
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Summary of Results: 2 rain garden presentations - Amelia Library on March 21 (20 attendees), Hosta Society of Greater Cincinnati on August 13 (36 attendees)

1 rain garden and wetland treatment system tour for Greenacres Fun with Water Science Camp on July 11 - 19 students, 23 people total.

Public demonstration rain gardens maintained at Clermont County Fairgrounds, Pattison Park, Sycamore Park, Shor Park, Veterans Park, Stagge-Marr Park

Bioretention Basin constructed at Amelia's Shank Park

28 rain barrels sold

Rain Barrel Art event - 51 painted barrels were displayed at the Cincinnati Zoo through the month of April and auctioned during the Party for the Planet on April 28. Attendance at the Zoo during the rain barrel art display was more than 100,000 visitors.

Rain Barrel video - In conjunction with the rain barrel art event, the Regional Storm Water Collaborative produced an instructional video showing how to paint a rain barrel. The video was posted on YouTube and received 415 views.

1 message on county sewer bill promoting rain barrel sales through Clermont SWCD for one complete billing cycle in May. Est.49,000 customers.

Rain Garden Central web site maintained at www.clermontswcd.org/rain-gardens-barrels/. 262 Page Views

Comments: N/A

Newsletter Articles	Clermont SWCD, Clermont County Office of Public Information; Miami Twp, Milford, Ohio Twp, Union Twp, Williamsburg V	Minimum 4 storm water-related articles per year in county newsletter; 1 per year for partners with newsletters	Present timely information on storm water-related news and events	Those living and doing business within Clermont County	100	Yes
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Summary of Results: Clermont SWCD - 7 articles: Spring Litter Cleanup Call for Volunteers (Spring), Pond/Retention Basin Management Clinic (Spring); Natural Resources Day at the Fair (Summer), Ohio River Sweep Call for Volunteers (Summer), Shank Park Storm water Project (Fall) Spring Litter Cleanup T-Shirt Design Contest (Winter), Shayler Woods Rain Garden (Winter). 2500 printed newsletters for spring, summer and fall editions; est. 1400 for electronic editions (300 SWCD, 1100 County); Web Site - 163 page views.

Clermont County - Spring Litter Cleanup T-Shirt Design Contest (Jan); Pond Clinic and Spring Litter Cleanup (Apr). Est 1100 per newsletter

Clermont Park District - Articles now posted online via Cerkl. Three storm water related articles were published, including a call for Spring Litter Cleanup volunteers, a review of the Ohio River Sweep, and an article titled "10 Ways to Reduce Plastic Pollution." The Park District has 1,025 followers on Cerkl.

Miami Township - Spring Litter Cleanup, Township Cleanup Days, brush/leaf disposal, call for Land Use Committee volunteers, storm sewer and ditch maintenance tips - 14,725 newsletters + web site

Milford - None in 2016

Ohio Township - Litter Cleanup, Home Sewage Treatment System Maintenance. Reached est. 3000 residents

Union Township - Leaf and yard waste disposal (Fall). 500 printed + web site

Williamsburg Village - Spring Litter Cleanup (Spring), leaf disposal (Fall) - 1200 newsletters printed per edition

Comments:

Storm Water Web Site Education Materials	Clermont SWCD	Maintain information on current news/events, BMP and pollution prevention fact sheets, educational materials, regulations & more	Storm water educational materials for a variety of topics at www.clermontstorm.net , www.clermontswcd.org and www.oeq.net	Those living and doing business in Clermont County	100	Yes
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Summary of Results: www.oeq.net: 1Q - 2725 users, 6705 page views; 2Q - 3763 users, 8475 page views; 3Q - 3159 users, 7745 page views; 4Q - 2284 users, 5731 page views; 2016 average - 2983 users, 7164 page views

www.clermontswcd.org: 1Q - 1209 users, 4208 page views; 2Q - 1563 users, 4438 page views; 3Q - 1090 users, 3819 page views, 4Q - 999 users, 2868 page views; 2016 average - 1215 users; 3833 page views

www.clermontstorm.net (to be merged with www.clermontswcd.org in 2017): 1Q - 539 users, 1074 page views; 2Q - 903 users, 1695 page views; 3Q - 535 users, 1396 page views; 4Q - 391 users, 725 page views; 2016 average - 592 users, 1223 page views

Comments:

Storm Water Education Programs for Clermont K-12 School Children	Clermont SWCD	50 Storm Water Related Programs	Teach impacts of land use and storm water runoff on water quality and stream biota.	K-12 School Children	100	Yes
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Summary of Results: 146 total programs conducted reaching an estimated 2,920 school children. Programs and number of program presentations include: Enviroscope (12), Streamulator (1), A Grave Mistake (4), Animal Tracks (26), Branching Out/Topography (4), Fred the Fish (12), Incredible Journey (32), Soil & Erosion (48), Stream Monitoring (3), Web of Life/Links in a Chain (4). Programs were conducted in each of the school districts serving the MS4 area.

Streamulator presentations were also given during Natural Resources Day at the Clermont County fair. An estimated 200 people visited the Streamulator.

Comments: Descriptions of the individual programs can be found at www.clermontswcd.org/education-and-outreach/.

Home Sewage Treatment Systems	Clermont County Public Health	Conduct 1 installer training session per permit cycle; Conduct 1 homeowner training session, Distribute 3500 Septic Gazettes to homeowners before inspections; Distribute 1 press release; Maintain educational web site	Proper installation of new or replacement HSTSs; Proper care and maintenance of existing HSTSs	HSTS installers and owners	100	Yes
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Summary of Results: No installer training sessions were held in 2016, as five separate training sessions were held in 2015; 6,243 Septic Gazettes were sent; 2 press releases issues (Jan 6 - about grants available to help low income homeowners repair their septic systems - resulted in one Clermont Sun article (3000 people receive Thursday edition, 16,870 receive Sunday Sun); June 1 release reminding homeowners to remember septic system when doing home improvements). Web site maintained at www.clermonthhealthdistrict.org/BSA.aspx

Public Health hosted two training sessions on mound systems for homeowners. The first was held on April 19 and attended by 11 people, and the second was held on August 31 and also attended by 11 people.

Comments:

Lawn and Yard Care	Regional Storm Water Colaborative	1 advertising campaign, 200 spots	Mulching lawn clippings	Landowners in SW Ohio	100	Yes
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Summary of Results: The Collaborative produced a video entitled "Mean Mower" which encouraged mulching of grass clippings. The Collaborative purchased 111 advertising spots from WLWT-Channel 5 that had a reach of 868,9000 and 2,759,000 impressions.

Comments:

General Storm Water Education - Advertising	Regional Storm Water Collaborative	One TV advertising campaign for Save Local Waters	Earth Day message directing viewers to the Save Local Waters web site	Residents of Greater Cincinnati	100	Yes
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Summary of Results: Around Earth Day, the Regional Storm Water Collaborative developed an ad introducing Save Local Waters that directed viewers to the wweb site. The Collaborative purchased 130 TV spots with Time Warner Cable that provided 253,444 impressions, plus an additional 130,000 impressions via online in-banner digital videos.

Comments:

Water Quality	Clermont SWCD, Clermont Park District	2 workshops for children, 2 educational canoe floats	Water quality monitoring, macroinvertebrates as a water quality indicator	Children, Clermont County residents	100	Yes
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Summary of Results: Water, Water Everywhere - The Clermont County Park District hosted a program called Water, Water Everywhere on May 12. Park naturalists led children in an investigation of water quality. Students were able to test their predictions using different methods, including water quality testing and looking at macroinvertebrates. A total of 50 children participated.

River Camp - The Clermont County Park District hosted a River Camp for children ages 6-10 along the Ohio River from June 27 to July 1. Park naturalists helped the children do water quality tests and look for macroinvertebrates. Causes and sources of pollution were discussed. A total of 8 children participated.

Little Miami River Canoe Float - The Park District conducted an educational canoe float on the Little Miami River on August 20. Park naturalists discussed the quality of the river as well as threats. Participants also conducted a mini-streambank cleanup. 25 people participated.

Great Outdoor Weekend - Clermont SWCD, OEQ and Park District hosted an educational canoe float on September 24. The SWCD educational specialist talked to participants about how macroinvertebrates are good indicators of water quality. 16 people participated.

Comments:

Pond / Retention Basin Management Clinic	Clermont SWCD	1 press release, 1 pond clinic, 72 attendees	Pond and retention basin maintenance	Pond / basin owners	100	Yes
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Summary of Results: 1 press release advertising the clinic was distributed on March 11, which led to articles in Community Press papers. Clermont SWCD had a record attendance of 72 people at its Pond & Basin Management Clinic on April 12. The Pond Clinic reviewed the purpose and functions of retention ponds and provided information on inspections that should be conducted and how to troubleshoot problems. The Clinic also offered tips on aquatic weed control, fish stocking, aeration and goose control.

Comments:

Stream Litter Cleanup	Clermont SWCD	One cable TV interview; 2 press releases	Keep Clermont County stream banks litter free	Residents of Miami Township	100	Yes
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Summary of Results: The SWCD Administrator gave an interview to Miami Township TV on the Spring Litter Cleanup and the student t-shirt design contest for the clean-up. The interview played 5x/week from Dec. 22, 2015 through Jan 24, 2016. Seen by est. 1000 people. Press releases issued for 2016 and 2017 t-shirt design contests - both resulted in individual Clermont Sun articles (3000 people receive Thursday edition, 16,870 receive Sunday Sun). One press release calling for litter cleanup volunteers - resulted in articles in Community Press papers and Clermont Sun (Community Press papers reach est. 25,000). June 6 press release distributed calling for Ohio River Sweep volunteers.

Comments:

PUBLIC EDUCATION & OUTREACH

Summarize activities you plan to undertake during the next reporting cycle.

BMP (mechanism)	Responsible Party	Measurable Goal	Theme or Message	Target Audience	% Target Audience	Proposed Schedule
Rain Garden / Rain Barrel Education Program	Clermont SWCD, Regional Storm Water Collaborative	Conduct 1 public workshop; maintain 7 public demonstration gardens; sell 25 rain barrels; 1 rain barrel art event, maintain rain garden web site	Rain garden and rain barrel education	Clermont County property owners	100	April - Rain Barrel Art Project May - Rain garden workshop Year-round - maintenance of demonstration rain gardens, rain barrel sales, maintenance of web site

Summary of Planned Activities: Conduct 1 public workshop; maintain 7 public demonstration gardens at the County Fairgrounds (SWCD); Pattison, Shor and Sycamore Parks (Clermont Park District), Shank Park (Amelia), Stagge-Marr Park (Goshen), and Veterans Park (Union Twp), sell 25 rain barrels; 5th annual rain barrel art event with Regional Storm Water Collaborative, maintain rain garden web site at <http://www.clermontswcd.org/rain-gardens-barrels/>

Comments: N/A

Pond / Retention Basin Management Clinic	Clermont SWCD	Conduct 1 pond / basin management clinic	Pond and retention basin maintenance	Pond / basin owners	100	April 4, 2017
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Summary of Planned Activities: The Pond Clinic reviews the purpose and functions of retention ponds and provides information on inspections that should be conducted and how to troubleshoot problems. The Clinic also offers tips on aquatic weed control, fish stocking, aeration and goose control.

Comments: N/A

Detention Basin Maintenance	Clermont SWCD	Revise and publish detention basin maintenance manual; distribute to private owners/HOAs and post online	Detention basin maintenance	Private owners/operators of detention basins	100	Complete by 2nd Quarter 2017
Summary of Planned Activities: Revise and publish detention basin maintenance manual; distribute to private owners/HOAs and post online						
Comments: N/A						
Lawn and Yard Care	Clermont SWCD, OSU Extension - Clermont County	Produce one video on soil testing, distribute one press release	BMPs for fertilizer usage	Private landowners	100	Spring 2017
Summary of Planned Activities: Clermont SWCD and OSU Extension will work together to promote soil testing available through the Extension office and will partner to produce a short video that shows residents how to collect a soil sample. The video will be placed on the agencies' web sites and Clermont SWCD's YouTube channel. A press release will be distributed with the release of the video, and will encourage land owners to only apply what the soil needs.						
Comments: N/A						
Storm Water Education Programs for Clermont K-12 School Children	Clermont SWCD	50 Storm Water Related Programs	Teach impacts of land use and storm water runoff on water quality and stream biota.	K-12 School Children	100	Jan-May and Sept-Dec 2017; development of online presentation in Summer 2017.
Summary of Planned Activities: Programs include Enviroscape, Streamulator, A Grave Mistake, Animal Tracks, Branching Out/Topography, Fred the Fish, Incredible Journey, Soil & Erosion, Stream Monitoring, and Web of Life/Links in a Chain. Presentations will be provided in all school districts in the urbanized area. The Clermont SWCD Education Specialist will also develop one PowerPoint/Smart Board presentation which will be made available for educators on Clermont SWCD's web site						
Comments: N/A						
Water Quality	Clermont SWCD, Park District	1 educational canoe float	Water quality monitoring, macroinvertebrates as a water quality indicator	Clermont County residents	100	Late September 2017
Summary of Planned Activities: One educational canoe float on the East Fork Little Miami River will be held during the Great Outdoor Weekend						
Comments: N/A						
Home Sewage Treatment Systems	Clermont County Public Health	Conduct 1 homeowner training session, distribute 3500 Septic Gazettes to homeowners before inspections; maintain educational web site	Proper care and maintenance of existing HSTSs	HSTS owners	100	Training session in Fall 2017, Septic Gazettes distributed year-round
Summary of Planned Activities: Conduct 1 homeowner training session, distribute 3500 Septic Gazettes to homeowners before inspections; maintain educational web site						

Comments: N/A						
Riparian Buffers	Clermont SWCD	1 presentation to local government zoning officials and/or development community	Benefits of riparian buffers / setback regulations	Zoning officials, development community	100	4th Quarter 2017

Summary of Planned Activities: The Clermont SWCD Administrator will seek to give 1 presentation to either local government zoning officials and/or members of the development community

Comments: N/A						
Erosion and Sediment Control Field Day	Regional Storm Water Collaborative	1 Erosion and Sediment Control Field Day	Erosion and sediment control BMPs	Development community, local government inspectors	100	October 2017

Summary of Planned Activities: The Regional Storm Water Collaborative (including Clermont SWCD) will work with the ODA Division of Soil & Water Conservation to host an Erosion & Sediment Control Field day for members of the development community and erosion and sediment control inspectors in SW Ohio

Comments: N/A						
General Storm Water Education	Clermont SWCD, Clermont OEQ	Publish minimum of 4 newsletter articles, 4 social media posts, 1 educational message on utility bills, maintenance of web sites	Various Messages / Multiple Themes	Those who live or work in Clermont County	100	Activities will be conducted year-round

Summary of Planned Activities: Clermont SWCD will publish a minimum of 4 newsletter articles and post a minimum of 4 storm water related messages on its social media sites, and include 1 educational message on Clermont County water and sewer utility bills. Both SWCD and OEQ will maintain storm water-related pages on their respective web sites.

Comments: N/A

PUBLIC INVOLVEMENT AND PARTICIPATION

BMP (mechanism)	Responsible Party	Measurable Goal	Theme or Message	Target Audience	Estimate Of People Participated	Effective
Municipal/Township Clean-up Days	Amelia, Batavia Township/Village, Miami Township, Pierce Twp, Stonelick Twp./Owensville, Union Township, Tate Township, Williamsburg Twp	Offer residents no-cost opportunity to properly dispose of hard-to-get-rid-of items on an annual basis	Prevention of illegal dumping/illicit discharges	Residents of participating municipalities and townships	7000	Yes

Summary of Results: Amelia - Hosted a clean-up day on June 4. Rather than having a single collection point, the village conducts a curbside pickup of unwanted, hard-to-dispose-of items. Amount of waste collected and numbers of participants is not available.

Batavia Twp/Village - Est. 233 people participated. Collected materials that filled 4 rear-load garbage trucks, 4 30-yard roll-off dumpsters and 2 4-yard scrap metal dumpsters. Also collected 17 freon units and 16 tires.

Miami Township - April 22 & 23 (1,250 vehicles) and September 23 & 24 (1,324 vehicles). A total of 2,574 vehicles checked in for this event. 297.20 tons of trash (213.61 tons rear loaders & 83.59 tons 30 yd. containers), 1,014 lbs. lead batteries, 14,560 lbs. white goods, and 18,760 lbs. steel.

Pierce Township - Hosted cleanup days on June 2-4. Three 30 cubic yard dumpsters were filled. Approximately 100 residents participated.

Stonelick Twp/Owensville - During two days in early May, Stonelick Twp collected enough waste to fill 11 30 cubic yard roll-off dumpsters and 4 rear-load trucks. In addition, they collected 24 tons of steel which was sent to Roundbottom Recycling, 115 gallons of motor oil and 8 batteries. 324 people participated.

Union Township - Junk days were held in the Spring on April 25-30, and in the Fall on October 20-22. Est. 2000 vehicles total. Totals on items collected are as follows: 13 refrigerators, with 15 garbage trucks, and 17- 30 yard dumpsters filled with furniture, clothes, bicycles, electronic equipment, and lawn equipment.

Tate Twp - collected 90.03 tons of material from an estimated 500 residents

Williamsburg Twp - Hosted junk days on June 9-11 and collected enough waste to fill 13 30-cubic yard droll-off dumpsters. Approximately 300 people participated.

Comments:

Clermont County WMSC Regulations Revision	Clermont County Building Inspection Department, Clermont SWCD	Hold at least 1 public stakeholders committee meeting to review updates to WMSC regulations	Review and revision of construction/post-construction storm water regulations	Clermont County residents, development community	15	Yes
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Summary of Results: Two public committee meetings were held - one on October 25 attended by 12 people, and a second on December 14, which was attended by 8 people. Comments received at these meetings were taken into account when drafting revisions to the WMSC regulations

Comments: Clermont County requested and received an extension from Ohio EPA to the deadline for completing revisions to the WMSC regulations. By the end of 2016, a final revised draft was completed. This will be published for public comment in early 2017.

Ohio River Sweep	Clermont OEQ, Clermont County Park District	Annual clean-up of Ohio River shores on the 3rd Saturday in June	Litter prevention, reduction of solids and floatables, general awareness of Ohio River as a natural resource	Residents and those doing business within Clermont County	311	Yes
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Summary of Results: There were 10 cleanup sites along the Clermont County stretch of the Ohio River, including Chilo, Moscow, Neville, New Richmond and multiple campground sites. A total of 311 volunteers collected approximately 1,060 bags of trash and larger miscellaneous items, including tires and appliances.

Comments:

Rain Barrel Art Event	Regional Storm Water Collaborative	Once annually, offer 50 rain barrels to local artists for painting; display and auction barrels at Cincinnati Zoo	Promote the use of rain barrels throughout the Ohio River Valley through a creative an educational medium	Greater Cincinnati artists of all levels	145	Yes
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Summary of Results: 145 artists submitted rain barrel art entries, from which 51 were selected and awarded rain barrels to complete their design. Results from the display/auction at the Cincinnati Zoo are presented under the Public Education section of this report.

Comments:

Pierce Township Greenspace Committee	Pierce Township	Monthly meetings of Green Space Committee	Preserve land via acquisition, conservation easements, conservation development, covenants or other methods that has ecological significance, natural corridor potential, aesthetic or scenic value, or inherent traits that contribute to the positive character of the Township.	Pierce Township landowners	29	Yes
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Summary of Results: Monthly meetings were held in 2016. Currently, 165 acres are preserved as township green space. No additional acquisitions were made. The committee completed development of a park master plan, obtained a \$187K grant from OKI for FY 2020, and is exploring the creation on a 501c3 organization.						
Comments:						
Antifreeze and Motor Oil Recycling Program	Clermont County Fleet Maintenance	Availability of year round disposal and recycling opportunities for automotive fluids	Proper disposal of automotive fluids, prevention of illicit discharges/illegal dumping	Clermont County residents	71	Yes
Summary of Results: Fleet maintenance collected 130 gallons of used motor oil from 40 residents, 65 gallons of antifreeze from 26 residents and 20 gallons of used cooking oil from 5 residents.						
Comments:						
Milford Storm Water and Hazard Mitigation Committee	City of Milford	Minimum one meeting annually	Provides opportunity to residents to give feedback on City's storm water and hazard mitigation programs	Milford residents	0	No
Summary of Results: Due to substantial turnover with city staff, including the city manager, assistant city manager and city engineer, the annual meeting of the storm water and hazard mitigation committee was cancelled for 2016. The committee will reconvene in 2017.						
Comments:						
Household Hazardous Waste Voucher Program	Clermont OEQ	Availability of year round disposal and recycling opportunities for household hazardous wastes	Proper disposal of hazardous waste materials, prevention of illicit discharges/illegal dumping	Clermont County residents	73	Yes
Summary of Results: Est. 3 lbs. of mercury collected by OEQ from 6 people and given to Environmental Enterprises for proper disposal; 67 vouchers for disposal of various household hazardous waste items at Environmental Enterprises in Cincinnati.						
Comments:						
Middle East Fork Balanced Growth Committee	Clermont SWCD	Hold annual meeting of Middle East Fork Balanced Growth Committee	Promote conservation development and sustainable growth in the Middle East Fork Little Miami River watershed	Municipal and township officials in Middle East Fork, development community	10	Yes
Summary of Results: On August 31, Clermont SWCD and Amelia Village co-hosted a meeting of the Balanced Growth committee. At the meeting, the balanced growth plan was reviewed and a presentation was given on detention basin retrofits. After the meeting, participants took a tour of the nearly completed detention basin retrofit project at Amelia's Shank Park.						
Comments:						
Storm Water Management Plan Revision	Clermont SWCD	Present first draft SWMP revisions to public committee; hold 45-day public comment period for final draft	Provide the public with an opportunity to comment on draft revisions to the Clermont County SWMP	Those living and working in Clermont County	25	Yes
Summary of Results: The first draft of the revised Clermont County SWMP was presented to representatives of the MS4 partners on Feb 2. Based on comments received, the draft SWMP was revised and presented to the Board of County Commissioners on June 13. On June 15, SWCD posted the draft SWMP on its web site and issued a press release requesting comment from the public. The public comment period was open through August 1. Only one anonymous phone comment was received (asking why the plan did include more information about ODOT activities). The County Commissioners adopted the final plan on October 26.						
Comments:						
Cardinal Land Conservancy Land Committee	Clermont SWCD	Attend monthly meetings of Land Committee	Preserve land that has ecological significance via acquisition, conservation easements or other methods	Clermont County landowners	10	Yes

Summary of Results: 2016 was the first full year of operation for this committee. Work focused on transferring easements from the three land trusts that merged to the Cardinal Land Conservancy, developing policies (e.g. land saving project criteria), templates for easement donations, and exploring prospects for future easements.

Comments:

Spring Litter Cleanup	Clermont SWCD	Annual volunteer river bank and parks clean-up in April	Litter prevention, reduction of solids and floatables in local waterways; general awareness of East Fork as a natural resource	Residents and those doing business within Clermont County	545	Yes
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Summary of Results: A total of 545 volunteers donated over 1460 hours and collected 734 bags of litter, 20 tires and 50 bags of recyclables, plus miscellaneous larger items amounting to approximately 6 tons of waste from open space/parks and 10 miles of shoreline in Clermont County.

Comments:

East Fork Watershed Cooperative	Clermont OEQ, Clermont SWCD	Development and implementation of yearly stream monitoring and sampling program; meetings approximately every six weeks	Water quality monitoring and sampling, illicit discharge detection, source water protection, harmful algal blooms, bioretention, TMDL development	Clermont Co Water Resources Dept, Clermont and Brown SWCDs, USEPA-ORD, US ACE, UDSA-NRCS, USGS, Ohio EPA, Univ. of Cincinnati	30	Yes
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Summary of Results: Three meetings were held in 2016 (Feb 11, Mar 24 and Nov 3). Due to a heavy sampling season and focus on data analysis, meetings during the sampling season were not held. Members of the EFWCoop stayed in close contact via calls, emails and one-on-one meetings. EFWCoop meetings focused on coordinating sampling efforts in the EFLMR watershed and exploring causes/sources of HABs in Harsha Lake. The EFWCoop continues to exploring the feasibility of a watershed trading program in the upper East Fork watershed using unconventional trading partners, and green infrastructure research in the lower EFLMR watershed, among other projects.

Comments:

Saturday Stream Snapshot (SSS) Volunteer Monitoring Program	Clermont SWCD, Greenacres Foundation	Monthly volunteer stream sampling for bacteria and nutrients from 29 stream and lake locations in Clermont County	Volunteer stream monitoring	Residents interested in learning about stream quality and sampling	34	Yes
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Summary of Results: In 2016, volunteers sampled 33 locations in Clermont County, including the main stem of the Little Miami River, Little Miami River tributaries, the East Fork, and two small lakes ĳ Powel Crosley at the Cincinnati Nature Center and Woodcreek Lake in Woodcreek Subdivision. 236 samples were processed for 8 parameters. 34 different volunteers were involved in collecting/processing Clermont County data. 24 collected water samples for Clermont County ĳ 21 from Clermont County and 3 from Hamilton County. 21 actual residents of Clermont County participated in the program as water monitors (21), lab analysts (10), runners (2), program photographer/ GPS coordinates (1), data analysis (1), maps (1), and SSS Brunch (8). Clermont volunteers contributed an estimated 876.5 hours performing all of the functions of the SSS Program in 2016. The entire SSS 2106 Data is available at www.saturdaystreamsnapshot.org.

Comments:

PUBLIC INVOLVEMENT AND PARTICIPATION

Summarize activities you plan to undertake during the next reporting cycle.

BMP (mechanism)	Responsible Party	Measurable Goal	Theme or Message	Target Audience	Estimate of People to Participate	Proposed Schedule
Volunteer Stream Monitoring	Clermont SWCD, Greenacres Foundation	Monthly volunteer stream sampling for bacteria and nutrients from 25 stream and lake locations in Clermont County	Volunteer stream monitoring	Residents interested in learning about stream quality and sampling	30	March through November 2017

Summary of Planned Activities: Clermont SWCD will again contract with Greenacres to manage the Saturday Stream Snapshot volunteer monitoring program, and provide technical assistance upon request. Volunteers will conduct monthly monitoring at 25 or more sites in the Little Miami River basin.

Comments:

Rain Barrel Art Event	Regional Storm Water Collaborative	Once annually, offer 50 rain barrels to local artists for painting; display and auction barrels at Cincinnati Zoo	Promote the use of rain barrels throughout the Ohio River Valley through a creative and educational medium	Greater Cincinnati artists of all levels	125	January through April 2017
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Summary of Planned Activities: Area artists of all ages and skill levels will be invited to submit designs for the 5th Annual Rain Barrel Art Contest. The artists with the 50 best designs will be provided a rain barrel on which to create their design. The barrels will be displayed at the Cincinnati Zoo through the month of April and auctioned at the Zoo's Party for the Planet toward the end of the month

Comments:

Middle East Fork Balanced Growth Committee	Clermont SWCD	Hold annual meeting of Middle East Fork Balanced Growth Committee	Promote conservation development and sustainable growth in the Middle East Fork Little Miami River watershed	Municipal and township officials in Middle East Fork, development community	15	3rd Quarter 2017
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Summary of Planned Activities: Clermont SWCD will host the annual meeting of Middle East Fork Balanced Growth Committee. Agenda topics will be determined in 2017.

Comments:

Cardinal Land Conservancy Land Committee	Clermont SWCD	Attend monthly meetings of Land Committee	Preserve land that has ecological significance via acquisition, conservation easements or other methods	Clermont County landowners	10	Monthly through 2017
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Summary of Planned Activities: The Clermont SWCD administrator will attend monthly meetings of the Cardinal Land Conservancy's Land Committee to explore prospects for future conservation easements/preservation.

Comments:

East Fork Watershed Cooperative meetings	Clermont OEQ, Clermont SWCD	Development and implementation of yearly stream monitoring and sampling program	Water quality monitoring and sampling, illicit discharge detection, source water protection, harmful algal blooms, bioretention, TMDL development	Clermont Co Water Resources Dept, Clermont and Brown SWCDs, USEPA-ORD, US ACE, UDSA-NRCS, USGS, Ohio EPA, Univ. of Cincinnati	25	Meetings approximately every 6 weeks outside of the recreation season. Monitoring and modeling work year round.
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Summary of Planned Activities: Approximately 4 meetings of the Cooperative, year round implementation of monitoring and modeling efforts. Extent of 2017 monitoring program may be affected by severe cuts in US EPA and Corps of Engineers budgets.

Comments:

Milford Storm Water and Hazard Mitigation Committee	Milford	1 meeting of Storm Water and Hazard Mitigation Committee	Provides opportunity to residents to give feedback on City's storm water and hazard mitigation programs	Milford residents	10	4th Quarter 2017
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Summary of Planned Activities: 1 meeting of Storm Water and Hazard Mitigation Committee						
Comments:						
Pierce Township Greenspace Committee	Pierce Township	Monthly meetings of Green Space Committee	Preserve land via acquisition, conservation easements, conservation development, covenants or other methods that has ecological significance, natural corridor potential, aesthetic or scenic value, or inherent traits that contribute to the positive character of the Township.	Pierce Township landowners	25	Monthly
Summary of Planned Activities: Monthly meetings of Green Space Committee. Anticipate obtaining at least one parcel of land in 2017						
Comments:						
Antifreeze and Motor Oil Recycling Program	Clermont County Fleet Maintenance	Availability of year round disposal and recycling opportunities for automotive fluids	Proper disposal of automotive fluids, prevention of illicit discharges/illegal dumping	Clermont County residents	50	Year round
Summary of Planned Activities: Clermont County Fleet Maintenance will continue to accept used motor oil, antifreeze, other automotive fluids and used cooking oil from Clermont County residents. Antifreeze will be recycled and oil collected will be used in the oil burning furnace to heat the fleet garage.						
Comments:						
Municipal/Township Clean-up Days	Amelia, Batavia Township/Village, Miami Township, Pierce Twp, Stonelick Twp./Owensville, Union Township, Tate Township, Williamsburg Twp	Offer residents no-cost opportunity to properly dispose of hard-to-get-rid-of items on an annual basis	Prevention of illegal dumping/illicit discharges	Residents of participating municipalities and townships	7000	Schedules vary by community, but generally range from May through September.
Summary of Planned Activities: Several townships and villages will host Junk Days or Cleanup Days for their residents, which offers them a no cost opportunity to properly dispose of hard-to-get-rid-of items. These collection days help to reduce illegal dumping and illicit discharges.						
Comments:						
Household Hazardous Waste Voucher Program	Clermont OEQ	Availability of year round disposal and recycling opportunities for household hazardous wastes	Proper disposal of hazardous waste materials, prevention of illicit discharges/illegal dumping	Clermont County residents	60	Year round
Summary of Planned Activities: Clermont OEQ will offer vouchers to Clermont County residents that will allow them to properly dispose of certain household hazardous wastes at Environmental Enterprises in Cincinnati						
Comments:						

Volunteer Litter Cleanups	Clermont SWCD, Clermont OEQ, Park District, MS4 Townships and Municipalities	1 Spring Litter Cleanup, 1 Ohio River Sweep	Litter prevention, reduction of solids and floatables, general awareness of Ohio River as a natural resource	Residents and those doing business within Clermont County	1000	Spring Litter Cleanup - April 22, 2017 Ohio River Sweep - June 17, 2017
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Summary of Planned Activities: The annual Spring Litter Cleanup will include shoreline cleanup sites on East Fork Lake, Stonelick Lake and the East Fork Little Miami River, as well as cleanup sites at parks and other public grounds in multiple townships and municipalities. The Ohio River Sweep will include multiple cleanup sites along the banks of the Ohio River.

Comments:

ILLCIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Cite Local Code(s) Being Used (If available, web link for code(s))	Effective
Ordinance or Other Regulatory Mechanism	Clermont SWCD	Enforce illicit discharge regulations	Yes	Section 8 of Clermont County Water Management & Sediment Control Regulations http://permit.clermontcountyohio.gov/WMSCRegulations.aspx	Yes

Summary of Results or Activities: Rules and Regulations Regarding Illicit Discharges and Illegal Connections to the Separate Storm Sewer System, established as Article 8.0 of the WMSC regulations, effective July 30, 2007, revised June 11, 2011.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Summary of Activities or Updates	Effective
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Storm Sewer System Map	Clermont SWCD	Develop and maintain comprehensive map of storm water conveyance system serving Clermont County	Yes	<p>In 2013, Clermont County completed its inventory of the storm sewer conveyance systems and outfalls in watersheds that empty the urbanized area in Clermont County. Mapping efforts are now being extended to other parts of the county. A GIS geodatabase has been completed that includes location information for storm sewers, ditch lines, catch basins, manholes, inlets, outlets and BMPs, as well as attribute information for each structure map (such as size, material and condition). In all, 28,440 segments of pipe (464 miles) have been mapped, along with 21,172 catch basins, 6,684 inlets, 4,481 outfalls (1,102 public outfalls, 3,481 private), 4,752 culverts, 4,629 manholes, 706 BMPs and 472 miscellaneous structures. Data and metadata for the Clermont County Storm Water Inventory, water bodies, and watersheds can be downloaded at www.clermontstorm.net/downloads.aspx.</p> <p>Clermont County Public Health maps and tracks both discharging and non-discharging septic systems. Maps showing locations of both types of systems have been developed for the various watersheds within the Phase II urbanized area, and were first provided in Appendix 3 of the 2005 Annual Report. As of 2016, there are a total of 21,711 HSTSs in Clermont County.</p>	Yes
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Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Summary of Activities or Updates	Effective
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HSTS Mapping and List	Clermont County Public Health	Develop inventory, including location and parcel ID, for discharging and non-discharging HSTSs in Clermont County	Yes	Clermont County Public Health tracks both discharging and non-discharging septic systems through its Basic System Assessment (BSA) database. Maps showing locations of both discharging and non-discharging systems have been developed for the various watersheds within the Phase II urbanized area, and were first provided in Appendix 3 of the 2005 Annual Report. A total of 21,711 HSTSs have been identified throughout Clermont County. Clermont Public Health offers an online search tool to allow users to research data from Septic System Operation Permit and Loan Inspection results - http://clermonthealthdistrict.org/recordsearch.aspx .	Yes
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Comments:					
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Summary of Activities or Updates	Effective

IDDE Plan	Clermont SWCD, Clermont County Public Health, County Engineer's Office, Townships & Municipalities	Develop and institute an illicit discharge detection and elimination plan.	Yes	Clermont SWCD works with the MS4 co-permittees to conduct dry weather screening of all public outfalls (i.e., those outfalls within the public road right-of-way or on publicly owned property) at least once during the permit cycle. Each MS4 co-permittee is responsible for screening the outfalls along the roads which they maintain or on properties owned by them. Clermont SWCD has developed a 'hot list' of both public and private outfalls that have been determined to have a high potential for illicit discharges. Clermont SWCD and OEQ staff will screen each of these outfalls during dry weather at least once a year. Clermont County Public Health is responsible for addressing problems with discharging HSTs. They inspect HSTs with electrical components once every 19 months and those without once every 38 months. In general, a time limit of 30 days is given to correct any violations found; however, Public Health will accommodate various time frames given the seriousness of the nuisance or violation, the level of cooperation of the homeowner, the time of year, or the cost of the repair. This is done on a case-by-case basis. For homeowners who lack the ability to pay for a complete system replacement, Public Health has developed the Sewage Nuisance Abatement and Remediation Plan which allows homeowners to make gradual improvements to their systems.	Yes
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Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Total # of Outfalls	# of Outfalls Screened	# of Dry-Weather Flows Identified	# of Identified Illicit Discharges	# of Eliminated Illicit Discharges	Effective
Dry-Weather Screening of Outfalls	Clermont SWCD, Clermont County Public Health, County Engineer's Office, Townships & Municipalities	Screen approximately 20% of the public outfalls annually, with all outfalls screened at least once during permit cycle.	No	999	20	0	8	8	Yes

Comments: True total # of outfalls is 1012. The field above wouldn't accept more than 3 digits. Below is a summary of illicit discharges investigated in 2016

1/21/16: 79 gallons of diesel fuel entered a storm drain at a Thornton's gas station (798 SR 28, Milford) after a vehicle drove away with the nozzle still in the vehicle. OEQ and Miami Twp Fire Dept responded; Ohio EPA was notified. Incident closed.

2/25/16: The resident at 1295 Michael Ln in Miami Twp reported a leaking fuel oil tank, stating it was contractor error. When SWCD arrived on scene, a contractor was working to excavate the contaminated soils. The resident also called Ohio EPA (Scott Glum) who had been on scene and placed absorbent socks in the ditch to catch the spilled oil. SWCD called Mr. Glum after our visit, and he said he will re-visit the site and replace the sock if needed. Incident closed.

3/7/16: During storm sewer mapping work, an SWCD field crew noticed dripping from an aerial sanitary sewer crossing and black deposits in the creek near 1070 Bethel-New Richmond Rd. The sanitary sewer is part of New Richmond's collection system. SWCD informed the village administrator and informed him of the issue. New Richmond stated they would make repairs. Incident closed.

5/11/16: A broken hydraulic line on Jackie Ln resulted in 18 gallons of fluid released to a ditch. Clermont OEQ responded. Best Way Disposal collected the spilled material and excavated the contaminated soil on May 11-12. Incident closed.

6/16/16: In response to an anonymous complaint sent to Ohio EPA, SWCD staff investigated reports of an oil-water separator at Honda East (529 Ohio Pike) that was not functioning and releasing oil during heavy rains. SWCD visited the morning after a substantial rain. Staff inspected the site prior to talking to anyone and did not see any indications of a spill. After this, SWCD met with the facilities manager who stated he was unaware of any problems. The manager allowed SWCD to inspect the facility and answered any questions asked. There were no indications of any release, and the garage seemed to be well equipped with spill cleanup supplies. Incident closed.

7/25/16: SWCD followed up on an anonymous complaint sent to Ohio EPA, and found that Muddy Mutts Pet Grooming was draining their wash water tank into a catch basin behind their satellite facility at 1375 SR 131, Milford. SWCD worked with the owner of the company to eliminate this practice. While there are no sinks in the building, there is an accessible sanitary sewer cleanout, into which Mutts employees now empty wastewater. Incident closed.

8/23/16: Quality Curb and Concrete was found to be disposing of concrete washwater near a storm sewer on Falling Wood Ct in Miami Twp. A minimal amount of dried material was seen in a catch basin. SWCD sent a Notice of Violation to the company on 8/25, along with a fact sheet on BMPs for managing concrete washwater. Incident closed.

8/23/16: While investigating flooding problems on Zachary Drive in Williamsburg, Clermont SWCD staff noticed signs of concrete washwater in the curb. Further investigation revealed that recent heavy rains had washed material from the back of a pickup truck. SWCD sent the truck owner a letter on 9/19 notifying him that the practice of emptying concrete washwater into a storm sewer is a violation of the County's illicit discharge regulations, and provided him with a fact sheet on BMPs for managing concrete washwater. Incident closed.

10/27/16: Clermont SWCD responded to a complaint of white/sudsy material in a ditch on Banks Rd. Public Health followed up and found a straight pipe from a laundry tub at 3889 Banks and instructed the owner to eliminate this.

10/29/16: SWCD received a complaint of an oil slick near Bethel Feed Mill that reoccurs after heavy rains. No sign of an oil slick or sheen was seen upon inspection. SWCD will re-investigate after a heavy rain. (Note, a 2nd inspection was done on 1/12/17. No sign of a spill was seen).

Upload File Name for the Illicit Discharges: Outstanding illicit_2016.docx

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Summary of Planned Activities	Comments	Effective
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<p>Septic System Rehabilitation - Community Development Block Grant (CDBG) Program</p>	<p>Clermont County Public Health</p>	<p>Track # of CDBG applications for septic system rehabilitation and number of rehabilitation projects completed</p>	<p>Yes</p>	<p>This program utilizes CDBG funds to assist homeowners with repairs on malfunctioning septic systems and to replace systems that are beyond repair. The program can also assist homeowners in connecting to accessible public sewer systems. Each qualifying homeowner can receive up to \$14,000 toward the cost of HSTS repair or replacement, or toward connecting to public sewer. In 2016, 46 CDBG applications were received and 33 systems were either replaced or pending by the end of the year.</p>		<p>Yes</p>
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Stream Monitoring and Sampling Program	Clermont OEQ, Clermont SWCD	Conduct annual stream monitoring and sampling program	Yes	<p>The 2016 stream monitoring and sampling program conducted by the Clermont OEQ and SWCD involved continuous physical parameter monitoring (DO, temp, pH and conductivity) at two long-term monitoring stations. Monitoring of organic compounds, stage, discharge, temperature, and conductivity was completed in Pleasant Run, upstream and downstream of CECOS. Wet weather sampling occurred during 10 rain events at four sites to determine nutrient loads from an agricultural BMP in the Grassy Fork watershed. Four wet weather events were sampled at two edge-of-field monitoring stations to determine nutrient loads from farm field with BMPs. Additional monitoring and sampling was conducted by the US EPA Office of Research & Development and U.S. Army Corps of Engineers as part of the joint program being conducted by the East Fork Watershed Cooperative. Clermont County is a Level 3 Quality Data Collector. All data collected are being submitted to Ohio EPA through its Volunteer Monitoring Program.</p>		Yes
HSTS Inspections	Clermont County Public Health	Inspect individual/commercial HSTSs with electrical components once every 19 months and those without electrical components once every 38 months.	Yes	<p>Clermont County Public Health inspected 6,399 home sewage treatment systems throughout Clermont County in 2016. Inspection results for all HSTSs are now available on line. Anyone interested in viewing an inspection report for a particular system can visit http://clermonthealthdistrict.org/recordsearch.aspx and enter the address of the property.</p>		Yes

Sewage Nuisance Abatement Remediation Program (SNARP)	Clermont County Public Health	Track # of people enrolled in SNARP, including those moving toward full system replacement.	Yes	The SNARP program provides homeowners with an opportunity to gradually make improvements to their system and possibly avoid or delay a full replacement of the septic system, as long as the plan abates the sewage nuisance. For details on SNARP, visit www.clermonthealthdistrict.org/SNARP_Main.aspx . In 2016, the Health District received 43 separate SNARP applications. A total of 10 SNARP projects were completed in 2016.	Yes
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ILLICIT DISCHARGE DETECTION & ELIMINATION (IDDE)

Summarize activities you plan to undertake for the next reporting cycle.

BMP (mechanism)	Responsible Party	Measurable Goal	Summary of Planned Activities	Proposed Schedule
Dry Weather Screening	Clermont SWCD, OEQ, Engineer's Office and MS4 townships and municipalities	Screen 40% of public outfalls, including all those on the hot list.	Due to efforts to map and screen outfalls outside the urbanized area in 2016, little screening was done within the regulated area. This effort will increase in 2017. The Engineer's Office and MS4 municipalities and townships will be responsible for screening outfalls within the right-of-way on county, municipal and township roads, respectively. Clermont SWCD and OEQ will screen any private outfalls on the hot list.	Screening efforts will take place year round during dry weather conditions.
Comments:				
Storm Sewer and HSTS Mapping	Clermont SWCD, Clermont OEQ, Clermont Public Health	Complete mapping in Bethel and Felicity areas	Clermont SWCD and OEQ will continue its efforts to map storm sewer systems in the rural villages, with a focus on Bethel and Felicity. Existing maps will be kept up to date by adding new systems installed as the result of new developments or road improvements. Clermont County Public Health will continue to maintain and update its HSTS database.	Mapping efforts will take place year-round
Comments:				
Stream Monitoring and Sampling	Clermont OEQ, Clermont SWCD	Stream and lake sampling within the East Fork Little Miami River watershed	Clermont OEQ and SWCD will continue to coordinate monitoring and sampling efforts with other members of the East Fork Watershed Cooperative. Possible changes from the 2016 monitoring program will be discussed and made in early 2017.	Sampling will be conducted year-round.
Comments:				
HSTS Inspections	Clermont County Public Health	Inspect individual/commercial HSTSs with electrical components once every 19 months and those without electrical components once every 38 months.	Public Health will continue to inspect individual/commercial HSTSs with electrical components once every 19 months and those without electrical components once every 38 months.	Year-round

Comments:				
Sewage Nuisance Abatement Remediation Program (SNARP)	Clermont County Public Health	Track # of people enrolled in SNARP, including those moving toward full system replacement.	Public Health will continue to offer the SNARP program which allows homeowners an opportunity to gradually make improvements to their systems and possibly avoid or delay a full replacement of the septic systems, as long as the plan abates the sewage nuisance.	Year-round

Comments:				
Enforce illicit discharge regulations	Clermont SWCD, Milford	Eliminate discharges as they occur	Clermont SWCD will continue its efforts to detect illicit discharges through its screening and stream monitoring program, and will work with the responsible parties to eliminate them as they are found.	Year-round

Comments:

CONSTRUCTION SITE RUNOFF CONTROL

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Cite Local Code(s) Being Used (If available, web link for code(s))	Effective
Ordinance or Other Regulatory Mechanism	Clermont County Building Inspection Department	Revise sediment and erosion control regulations; continue enforcement of existing regulations until revision completed	No	Clermont County Water Management and Sediment Control (WMSC) Regulations, http://permit.clermontcountyohio.gov/WMSCRegulations.aspx	Yes

Summary of Results or Activities: Clermont County began the process of revising the WMSC regulations in 2016. To help with this effort, a public work group was formed to review and provide comment on the existing regulations. By the end of 2016, the committee had met twice and draft revisions were completed. The regulations were due to be updated by December 22, 2016, but as there were some controversial proposals in the revisions, Clermont County asked Ohio EPA for additional time to complete the revisions. Ohio EPA granted the request. The final revisions should be adopted in early 2017.

Comments:					
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Standards Being Used	Effective
Sediment and Erosion Control Requirements	Clermont County Building Inspection Department	Established sediment and erosion control regulations	Yes	Clermont County Water Management and Sediment Control (WMSC) Regulations, http://permit.clermontcountyohio.gov/WMSCRegulations.aspx	Yes

Summary of Results or Activities: The County's sediment and erosion control requirements are contained in the Water Management & Sediment Control Regulations, primarily within Article 6. Clermont County began a review and revision of the regulations in 2016. By the end of 2016, a public review committee had met twice and draft revisions were completed. The regulations were due to be updated by December 22, 2016, but as there were some controversial proposals in the revisions (primarily related to post-construction practices), Clermont County asked Ohio EPA for additional time to complete the revisions. Ohio EPA granted the request. The final revisions should be adopted in early 2017. There will be very few changes related to sediment and erosion control requirements; most updates will reflect changes in the post-construction program.

Comments:						
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Applicable Sites Requiring Plans	# of Plans Reviewed	Effective
Complaint Process	Clermont County Building Inspection Department, Milford, Amelia	Achieve 50% resolution of valid complaints	Yes	64	64	Yes

Summary of Results or Activities: Of the 64 complaints received, 47 have been resolved as of the end of 2016. The Clermont County Building Department followed up 63 of the 64 complaints, while Amelia (with help from Ohio EPA) addressed one complaint. Milford did not receive any complaints in 2016.

Comments: In the fall of 2016, the Amelia Village Council voted to enter into an agreement with Clermont County to have the Building Department enforce the WMSC regulations within the village limits. Following the execution of this agreement, Amelia no longer has enforcement authority or responsibility in the village.

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Sites Requiring Plans	# of Plans Reviewed	Effective
Site Plan Review Procedures	Clermont County Building Inspection Department, Milford, Amelia	Established site plan review and approval procedures	Yes	781	781	Yes

Summary of Results or Activities: Clermont County conducted 779 plan reviews; Milford conducted 2. Details of plan requirements provided in WMSC Regulations. Specific review procedures contained in September 2016 Storm Water Management Plan.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Applicable Sites	# of Sites Inspected	Average Frequency	Effective
Site Inspection Procedures	Clermont County Building Inspection Department, Milford, Amelia	Established site inspection procedures	Yes	990	2126	0.2	Yes

Summary of Results or Activities: Clermont County conducted 2123 inspections at 987 sites, while Amelia inspected one site and Milford inspected two sites. Inspections help ensure compliance with sediment and erosion control requirements of WMSC regulations.

Comments:

Upload File Name(s) for Applicable Sites: WMSC Permit Activity 2016.pdf

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Violation Letters	# of Enforcement Actions	Effective
Enforcement Procedures	Clermont County Building Inspection Department, Milford, Amelia	Established procedures for enforcing violations of WMSC Regulations	Yes	101	0	Yes

Summary of Results or Activities: For purposes of this annual report, conditional occupancy certificates are considered to be violation letters, and stop work orders are considered to be enforcement actions. In 2016, the Clermont County Building Department issued 101 conditional occupancy certificates; 61 of these have been resolved. No stop work orders were issued. Neither Amelia nor Milford issued any violation letters or had any enforcement actions in 2016.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Measurements	Effective
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No records found

CONSTRUCTION SITE RUNOFF CONTROL

Summarize activities you plan to undertake during the next reporting cycle.

BMP (mechanism)	Responsible Party	Measurable Goal	Summary of Planned Activities	Proposed Schedule
Respond to Erosion and Sediment Runoff Complaints	Clermont County Building Inspection Department, Milford	Achieve 50% resolution of valid complaints	The Building Department will continue to respond to complaints submitted by Clermont County residents, generally within 2 business days of receiving the complaint, and work to address an valid issues found during inspection.	Year-round

Comments:

Enforce WMSC Violations	Clermont County Building Inspection Department, Milford	Achieve compliance with regulations at all construction sites.	If violations are not corrected after verbal notification, the Building Department may use Stop Work Orders, withholding a Certificate of Occupancy, or permit revocation. Milford may issue written notifications with time periods for compliance, stop work orders or citations.	Year-round
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Comments:

Plan Review	Clermont County Building Inspection Department, Milford	Review sediment and erosion control plans for all construction activities disturbing 1 or more acra	Both Clermont County and Milford will follow the plan review process described in the Clermont County Storm Water Management Plan (September 2016)	Year-round
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Comments:

Update Water Management & Sediment Control (WMSC) Regulations	Clermont County Building Inspection Department, MS4 Municipalities	Revise existing WMSC Regulations	Complete the review and revision process that was initiated in 2016.	Clermont County plans to adopt the revised regulations by May 2017. The MS4 municipalities will adopt the changes within three months of the county's adoption.
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Comments:

Inspect Construction Sites Disturbing 1 Acre or More	Clermont County Building Inspection Department, Milford	Inspect installation of BMPs prior to construction, conditions of BMPs during construction, and conduct final inspection after construction to ensure site stabilization	Inspect installation of BMPs prior to construction, conditions of BMPs during construction, and conduct final inspection after construction to ensure site stabilization	Year round
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Comments:

POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Cite Local Code(s) Being Used (If available, web link for code(s))	Effective
Ordinance or Other Regulatory Mechanism	Clermont County Building Inspection Department	Revise regulations for post-construction storm water management; enforce current regulations until revisions are complete	No	Clermont County Water Management and Sediment Control (WMSC) Regulations, http://permit.clermontcountyohio.gov/WMSCRegulations.aspx	Yes

Summary of Results or Activities: Clermont County's post-construction storm water regulations are included in the WMSC regulations, primarily in Article 5. The County worked toward revising the regulations in 2016. To help with this effort, a public work group was formed to review and provide comment on the existing regulations. By the end of 2016, the committee had met twice and draft revisions were completed. The regulations were due to be updated by December 22, 2016, but as there were some controversial proposals in the revisions (primarily with proposed riparian setbacks), Clermont County asked Ohio EPA for additional time to complete the revisions. Ohio EPA granted the request. The final revisions should be adopted in early 2017, and will primarily reflect changes made in the Construction General Permit since the last time the WMSC regulations were revised (2011).

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Structural and/or Non-Structural Standards Being Used	Effective
Post-Construction Requirements	Clermont County Building Inspection Department	Established requirements for post-construction BMPs	Yes	The County's WMSC regulations contain requirements for the following BMPs: infiltration basin, enhanced water quality swale, dry and wet extended detention basins, constructed wetlands, sand and other media filtration practices, bioretention cells, pocket wetlands and vegetated filter strips. The regulations encourage vegetative buffers of 25 feet.	Yes

Summary of Results or Activities: 2011 WMSC regulations are being enforced. Revisions are expected to be complete in early 2017.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Applicable Sites Requiring Plans	# of Plans Reviewed	Effective
Site Plan Review Procedures	Clermont County Building Inspection Department, Milford, Amelia	Established site plan review procedures for developments requiring post-construction BMPs	Yes	21	21	Yes

Summary of Results or Activities: Plans reviewed to ensure BMPs are designed in compliance with County's WMSC Regulations. The County Building Department reviewed plans for 19 developments requiring post-construction BMPs, and Milford reviewed 2 plans requiring BMPs.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Applicable Sites	# of Inspections Performed	Average Frequency	Effective
Site Inspection Procedures	Clermont County Building Dept. (during construction) and Clermont County Engineer's Office (public watercourse basins after construction); Amelia and Milford	Established inspection procedures for post-construction BMPs during construction and after completion of construction	Yes	112	145	0.1	Yes

Summary of Results or Activities: The Building Department inspected 19 BMPs during the construction of new developments; 7 of these failed inspection.

The County Engineer's Office annually inspects and maintains 29 basins in 25 subdivisions under the public watercourse (ditch petition) program. Inspections insure these storm water basins are operating as intended. Maintenance activities include mowing, seeding bare areas, cleaning silt/debris from inlet/outlet structures and basin bottom, maintaining rip rap at outlet, cutting trees around headwalls and on dam, and conducting necessary repairs. In 2016, the 12¹/₂ storm system serving the Miami Trails subdivision was extended and the headwall was reset because the pipe had separated and eroded around the headwall. All other work was routing.

In Milford, 36 property owners receive utility fee credit for 61 post-construction BMPs, including 20 detention basins, 17 grass channel/filter strips, 9 water quality ponds, 5 dry wells, 2 infiltration basins and 8 forested buffer strips. Milford inspects these annually to ensure that they are operating as intended and still eligible for utility credit.

Three detention ponds are maintained by the Village of Amelia, one at Shank Park, one on Deercreek Drive and one on Eastridge Lane. These are inspected monthly. Under a SWIF grant, a retrofit of the Shank Park detention basin was completed. The retrofit involved removal of a concrete low-flow channel and the establishment of a meandering low flow swale, the construction of a bioretention area near the outlet, and modifications to the outlet structure to allow for more storage during small to moderate storms.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Violation Letters	# of Enforcement Actions	Effective
Enforcement Procedures	Clermont County Building Inspection Department, Milford, Amelia	Establish enforcement procedures for ensuring post-construction BMPs are built according to specifications	Yes	7	0	Yes

Summary of Results or Activities: The Building Department noted 7 violations during inspections of the 19 BMPs constructed in 2016. All violations were corrected.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Sites Requiring Plans/Agreements	# of Plans Developed/Agreements in Place	Effective
Long-Term O&M Plans/Agreements	Clermont County Engineer's Office, Amelia, Milford	# of long-term O&M plans and agreements for maintenance of private BMPs under Ohio "ditch petition" laws	Yes	93	93	Yes

Summary of Results or Activities: Public Watercourse agreements established with 25 subdivisions for Clermont Engineer's Office to maintain 29 storm water basins.

Three detention ponds are maintained by the Village of Amelia - one at Shank Park, one on Deercreek Drive and one on Eastridge Lane. These are visually inspected and mowed weekly. Amelia received a SWIF Grant to retrofit the Shank Park basin.

In Milford, 36 applicants received utility fee credit for 61 post-construction BMPs, including 20 detention basins, 17 grass channel/filter strips, 9 water quality ponds, 5 dry wells, 2 infiltration basins and 8 forested buffer strips.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Measurement 1	Measurement 2	Effective
Batavia Main Street Rain Garden Planters	Batavia Village	Maintenance of 52 bioretention/rain garden planters along Main Street, 2nd Street and 4th Street	Yes	52 rain garden planter inspections	N/A	Yes

Summary of Activities or Updates: In 2014, the Village of Batavia completed construction of major improvements to Main Street and portions of 2nd and 4th Streets. As part of the overall improvements, Batavia installed 52 curb-cut rain gardens that help treat street runoff prior to discharge to the East Fork Little Miami River. All bioretention cells were maintained, with minor improvements made to some in 2016.

Comments:

Shank Park Detention Basin Retrofit	Amelia Village, Clermont SWCD	Retrofit 1-acre detention basin at Shank park	Yes	1 detention basin retrofit	N/A	Yes
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Summary of Activities or Updates: Amelia Village received a SWIF grant to retrofit the Shank Park detention basin. The retrofit project was completed in 2016 and included the removal of a concrete low-flow channel, the establishment of a meandering low flow swale, the construction of a bioretention area near the outlet, and modifications to the outlet structure to allow for more storage during small to moderate storms.

Comments:

Shayler Woods Bioretention Project	Clermont SWCD	Install one bioretention basin in Shayler Woods subdivision	Yes	Create 1 bioretention basin	N/A	Yes
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Summary of Activities or Updates: Under a Duke Energy Foundation Grant, Clermont SWCD was able to work with the Shayler Woods Homeowners Association to construct a bioretention basin in a portion of the subdivision without any BMPs. The basin was completed in October 2016 and receives, stores and treats surface water runoff before it reaches a headwater stream.

Comments:

POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Summarize activities you plan to undertake for the next reporting cycle.

BMP (mechanism)	Responsible Party	Measurable Goal	Summary of Planned Activities	Proposed Schedule
Inspect Post-Construction BMPs Upon Completion	Clermont County Building Inspection Department	Inspect all post-construction BMPs upon completion of construction	The Building Department will continue to inspect all post-construction BMPs upon completion of construction to ensure that they are built according to approved plans.	Year-round

Comments:

Inspect Private BMPs with Long-term Agreements	Clermont County Engineer's Office, Amelia, Milford	Conduct annual inspections of all privately-owned post-construction BMPs that are publicly maintained or receive utility credits	The County Engineer's Office will conduct annual inspections of all detention basins and other structures that it maintains under the public watercourse program. Amelia Village will conduct annual inspections of the three detention basins it maintains. Milford will conduct annual inspections of any BMP which receives a credit under the city's storm water utility (currently 61 BMPs)	Primarily Spring through Fall 2017
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Comments:

Update Water Management & Sediment Control (WMSC) Regulations	Clermont County Building Inspection Department, MS4 Municipalities	Revise existing WMSC Regulations	Complete the review and revision process that was initiated in 2016.	Clermont County plans to adopt the revised regulations by May 2017. The MS4 municipalities will adopt the changes within three months of the county's adoption.
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Comments:

Plan Review	Plan Review	Review post-construction storm water management plans for all construction activities disturbing 1 or more acres	Both Clermont County and Milford will follow the plan review process described in the Clermont County Storm Water Management Plan (September 2016)	Year-round
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Comments:

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 2	Clermont County Engineer's Office	Attend Tri-State Green Industry Conference	Yes	Landscape management, sediment and erosion control	Engineer Road Superintendent	1	Yes

Summary of Activity: On Feb. 4, the Engineer's Office Road Superintendent attended the Tri-State Green Industry Conference, which included education tracks on turfgrass management, pest and disease management, sustainable landscaping and sediment and erosion control.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 3	Clermont SWCD, Building Department, Engineer's Office, Amelia, Batavia Village, Batavia Twp, Goshen twp, Miami Twp, Monroe Twp	Attend Surviving an MS4 Audit webinar	Yes	MS4 Audit	Clermont County MS4 Co-permittees	11	Yes

Summary of Activity: 11 representatives from Clermont County MS4 co-permittees participated in the Ohio EPA webinar titled "Surviving an MS4 Audit" on March 16

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 4	Clermont SWCD, Clermont OEQ	Attend at present at Ohio Water Resources Council WWRM Meeting	Yes	Nutrient runoff, harmful algal blooms, water quality monitoring	Clermont SWCD, Clermont OEQ	2	Yes

Summary of Activity: On April 6, the Clermont SWCD Administrator and Clermont OEQ Project Manager attended and presented at the annual Ohio Water Resources Council WWRM Meeting. Presentations during the day focused on nutrient and sediment runoff, harmful algal blooms and volunteer monitoring.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 5	Clermont SWCD, Clermont OEQ	Attend the annual Ohio Stormwater Conference	Yes	Storm water BMPs, stream restoration, watershed and land management issues	Storm water management professionals	3	Yes

Summary of Activity: From May 10-12, three staff from Clermont SWCD and OEQ attended the annual Ohio Storm Water Conference in Sharonville, OH. The conference included multiple sessions on BMPs, stream restoration, storm water management, watershed and land use issues.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 6	Clermont SWCD	Attend one NACD Urban & Community Conservation webinar	Yes	Riparian buffers, public education	Clermont SWCD	1	Yes

Summary of Activity: On June 16, the Clermont SWCD Administrator participated in the NACD Urban & Community Conservation webinar. Presentations were given on riparian buffer plantings and urban creek tours.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
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Employee Training Program 7	Clermont SWCD, OEQ, Amelia, Batavia Village, Batavia Twp, Miami Twp, Pierce Twp	Host and attend one Balanced Growth workshop	Yes	Detention basin retrofits	Clermont County MS4 Co-permittees	11	Yes
Summary of Activity: On Aug 31, Amelia and Clermont SWCD co-hosted a Balanced Growth Workshop that included presentations on detention basin retrofits and a tour of the nearly completed Shank Park detention basin retrofit project.							
Comments:							
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 8	Clermont SWCD, Emergency Management Agency, Engineer's Office, Water Resources Department, Park District, Sheriff's Office, Municipal Court, Batavia Twp, Batavia Village, Goshen Twp, Miami Twp, Milford, Monroe Twp, Ohio Twp, Owensville, Union Twp, Williamsburg Twp, Williamsburg Village	Host one local pollution prevention workshop	Yes	Permit pollution prevention requirements, developing and implementing good housekeeping plans and storm water pollution prevention plans	Clermont County MS4 Co-permittees	26	Yes
Summary of Activity: On November 9, at the monthly Clermont County Public Works Committee meeting, the Clermont SWCD Administrator provided pollution prevention training for the county co-permittees that included an overview of permit pollution prevention requirements, and how to develop and implement good housekeeping plans and storm water pollution prevention plans.							
Comments:							
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 9	Clermont SWCD, OEQ	Attend annual Ohio River Basin Water Quality Workshop	Yes	Water quality monitoring and modeling, harmful algal blooms	Professionals involved in water quality monitoring and modeling	2	Yes
Summary of Activity: On December 7-8, the Clermont SWCD Administrator and the OEQ Project Manager attended the annual Ohio River Basin Water Quality Workshop hosted by the Corps of Engineers and US EPA. Presentations focused on monitoring and modeling efforts and harmful algal blooms.							
Comments:							
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 10	Clermont SWCD, Tate Township	Host pollution prevention training session for new Tate Twp Service Department Director	Yes	Pollution prevention permit requirements, developing a good housekeeping plan, permit reporting	Tate Township	1	Yes
Summary of Activity: On December 9, the Clermont SWCD Administrator met with the new Tate Township Service Department Director to review pollution prevention requirements in the MS4 permit, developing a good housekeeping plan, and permit reporting.							
Comments:							

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
Employee Training Program 1	Clermont SWCD, Building Department, Engineer's Office, Office of Environmental Quality, Commissioners Office, Amelia, Batavia Village, Batavia Twp, Goshen, Miami Twp, Milford, Monroe Twp, Ohio Twp, Owensville, Pierce Twp, Stonelick Twp, Union Twp, Williamsburg Village	1 annual meeting of Phase II Stormwater Committee	Yes	Review, revision and implementation of Storm Water Management Plan	All MS4 Co-permittees	20	Yes

Summary of Activity: Phase II Storm Water Advisory Committee held on Feb 2. Attendees reviewed and discussed possible updates to Storm Water Management Plan

Comments:

BMP (mechanism)	List of Municipal Facilities Subject to Program	O&M Procedures Developed?	# of Inspections Performed	Frequency of Inspections
Municipal Facilities	Facilities include 1,055.1 miles of county, township and municipal roads and associated storm sewers and roadside ditches, service department facilities for each of the 16 co-permittees, 34 parks and 44 cemeteries	Yes	11763	Varies by facility. See individual P2 reports for co-permittees.

BMP (mechanism)	Summarize Maintenance Activities and Schedules	Summarize Activities Performed
MS4 Maintenance	In general, storm sewers are cleaned on an as needed basis, determined by inspections, and resident complaints. Catch basin grates are regularly inspected and cleaned, especially after significant storms. Repairs to MS4 infrastructure are done on an as-needed basis. The County Engineer's Office uses Flexamat in some roadside ditches that are subject to severe erosion. For more detailed information, refer to the individual P2 reports for each co-permittee.	Ditch cleaning, storm sewer cleaning, catch basin grate cleaning, use of Flexamat in ditches to reduce erosion, infrastructure repair and replacement, dry well cleaning (Milford)

BMP (mechanism)	Procedures Developed?	Document Amounts of Wastes Properly Disposed
Disposal of Wastes	Yes	Uncontaminated sediment cleaned from the MS4 is typically used as fill in parks, cemeteries or other public properties, other waste collected from the MS4 is disposed of as solid waste unless contaminated, and then is disposed of as hazardous waste. For more detailed information, refer to the individual P2 reports for each co-permittee.

BMP (mechanism)	Covered?	Tons Used	Summarize Measures Taken to Minimize Usage
Road Salt	Yes	74891 Tons	Three co-permittees (County Engineer, Miami and Union) also used 27,176 gallons of brine and Miami Twp used an additional 695 gallons of calcium. Measures differ among co-permittees, but range from training and dry weather runs before the winter season begins, careful monitoring of weather forecasts and road conditions, pre-treatment with brine, calibrating spreader equipment, minimizing settings on spreaders, narrow spreading along the road centerline, and treating only intersections, curves and hills. See individual co-permittee P2 reports for specific measures.

BMP (mechanism)	Procedures Developed?	Gallons Used	Summarize Measures Taken to Minimize Usage
Pesticide & Herbicide Usage	Yes	3683 Gallons	Miami Twp also utilized 14,400 lbs of granular pesticides. Measures to minimize usage varies. Some co-permittees do not use any pesticides. Those that do have staff that have received training and a commercial applicators license, or contract with a private applicator who is licensed. Some co-permittees only use pesticides in very limited areas (such as around guardrails). Care is taken to avoid applications before, during and immediately after wet weather events, and windy conditions. Refer to the individual co-permittee P2 reports for specific measures.

BMP (mechanism)	Procedures Developed?	Pounds Used	Summarize Measures Taken to Minimize Usage
Fertilizer Usage	Yes	71256 Pounds	Measures to minimize usage varies. Most co-permittees do not use any fertilizers - only 6 of the 17 applied some fertilizer in 2017. Those that do may conduct the applications themselves or hire a contractor. Care is taken to avoid applications before, during and immediately after wet weather events, and windy conditions. Some apply fertilizers only in small specific areas. See the individual co-permittee P2 reports for specific measures.
BMP (mechanism)	Procedures Developed?	Document Amount of Material Collected and Properly Disposed	
Street Sweeping	Yes	20 cubic yards. Only the City of Milford and Batavia Village own and operate street sweepers. Others use Municipal Court Community alternative sentencing individuals to clean litter and large items from roadways.	
BMP (mechanism)	Summarize Any New or Existing Flood Management Projects that were Assessed for Impacts on Water Quality		
Flood Management Projects	Only one flood management project was conducted in 2017. Amelia Village completed a retrofit of a large (1 acre) flood control basin to allow for greater storage and treatment of small to moderate storms. More information is presented in the Post-Construction BMP section of this report.		
BMP (mechanism)	Summary		

No records found

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

Summarize activities you plan to undertake for the next reporting cycle.

BMP (mechanism)	Responsible Party	Measurable Goal	Summary of Planned Activities	Proposed Schedule
Minimize Fertilizer Runoff	All MS4 Co-permittees that use fertilizers	Use fertilizer only where needed; apply only in appropriate conditions	MS4 co-permittees that use fertilizer will apply it only in areas needed, and will not conduct applications during wet weather, or when significant rain is forecast.	Spring through Fall 2017
Comments:				
Employee Training	All Clermont County MS4 Co-permittees	Each co-permittee will attend a minimum of one training session related to storm water management	Known training includes the Ohio Storm Water Conference (SWCD), and the annual training session hosted by Clermont SWCD for all permit partners	Ohio Storm Water Conference - May 2017; Clermont SWCD Training Seminar - November 2017
Comments:				
Inspections of Municipal Facilities	All Clermont County MS4 Co-permittees	Inspections of individual MS4 systems, service department grounds, fleet maintenance facilities, parks, cemeteries and other facilities according to their existing schedules	Each co-permittee will continue to inspect their individual MS4 systems, service department grounds, fleet maintenance facilities (if they exist), parks, cemeteries and other facilities according to their existing schedules. Those co-permittees with full fleet maintenance facilities (County Engineer, Miami Twp, Union Twp) will be adding formal facility inspections and visual screening of outfalls on a quarterly basis, and conducting an end-of-year comprehensive inspection with the SWCD Administrator.	Inspection schedules vary by co-permittee. Activities will be conducted year-round.
Comments:				

Disposal of Wastes Collected from MS4	All Clermont County MS4 Co-permittees	Proper disposal of waste collected from the MS4	Waste collected from the MS4 may be disposed of in one of three ways. If the waste is uncontaminated soil/sediment or vegetation, this may be used as fill or mulch on public properties such as parks and cemeteries (excluding swales, ditches and streams). Any garbage/trash collected will be disposed of as solid waste. Any waste contaminated with oil or other hazardous material will be disposed of as hazardous waste.	Year round
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Comments:

Road Salt Minimization	All MS4 Co-permittees	Reduce salt usage to the greatest extent possible while still maintaining safe driving conditions and protecting public safety.	Strategies vary among co-permittees, but range from training and dry weather runs before the winter season begins, careful monitoring of weather forecasts and road conditions, pre-treatment with brine, calibrating spreader equipment, minimizing settings on spreaders, narrow spreading along the road centerline, and treating only intersections, curves and hills.	Winter season
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Comments:

Minimize Pesticide Runoff	All MS4 Co-permittees that conduct spraying	Obtain training needed to maintain commercial applicators license, or contract with licensed applicator. Apply only during appropriate conditions	All MS4 Co-permittees that conduct spraying will either obtain training needed to maintain their commercial applicators licenses, or contract with a licensed applicator. Applications will not be made during or immediately after wet weather, or when significant rain is forecast, or during excessively windy conditions.	Spring through Fall 2017
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Comments:

PROPOSED CHANGES TO YOUR SWMP (IF ANY)

Summarize any proposed changes to your SWMP, including changes to any BMPs or any identified measurable goals that apply to the program elements. If you fail to satisfy measurable goals for the reporting year, please explain why.

The Clermont County Storm Water Management Plan was updated in September 2016. No changes have been made since this time

VARIANCES GRANTED (IF ANY)

Identify and summarize any variances granted under your storm water program.

No variances were granted.

ADDITIONAL INFORMATION

Please add any additional comments or attachments below.